

**Little Salmon River Route Correction***Stream:* Little Salmon River (115-32-10250-2067-3002) Route Correction*Watershed:* Tsirku River*USGS Quadrangle:* Skagway B-3*MTRS:* CO29S055E*Date Surveyed:* August 2, 13, 14, 17, 24, and 25, 2012*Findings:* Over the course of six days we tracked and surveyed the upper portion of the Little Salmon River and its tributaries. This area has many beaver dams. As shown in figure 1, we tracked a polygon around one of the beaver dams. Juvenile coho salmon were found throughout the entire polygon perimeter. We also tracked a side channel with rearing coho throughout the stream (figure 1). The Little Salmon River track differs from the AWC.*Recommendations:* Update this stream route in the AWC.*Nomination form submitted:* Yes*Nomination status:**Notes:***Table 1: Little Salmon River Route Correction Survey Data**

Waypoints	Latitude	Longitude	Notes	Sample Effort	Sample Results
10	59.384114	-136.075101	Bridge that crosses the Little Salmon River. The road goes to the Tsirku River. River is moving along and we will be tracking and shocking up.		
11	59.384838	-136.081325	Tributary entering river left. Just small clear stream compared to Little Salmon River. Track/shock		
19	59.384705	-136.081664	Back on Little Salmon mainstem, heading up.		
21	59.383471	-136.093358	At steep, incised portion. Have to be close to the cataloged upper extent. Calling it good. Rapids and increasing gradient.		
70	59.384134	-136.075096	This is where bridge crosses the Little Salmon River. We will be heading downstream.		
71	59.383577	-136.068347	Electrofished settings 370 V, 30 Hz, 12 % duty cycle. We got 11 DV between 30-85mm, 1 sculpin and 2 coho about 45 mm.	electrofish	11 DV ~ 30-85 mm, 1 sculpin, 2 coho ~ 45mm
72	59.385539	-136.066145	Tributary entering river left. Going to track and shock.		
74	59.388543	-136.064071	Side channel entering river left. Going to track and shock up.		
75	59.388595	-136.064916	Start of beaver complex. Electrofished 6 DV about 50 mm.	electrofish	6 DV ~ 50 mm
76	59.388533	-136.065459	Top of small back load of water. Electrofished 3 coho about 50 mm.	electrofish	3 coho ~ 50 mm

77	59.388014	-136.06586	Beaver dam one of many. Currently not much flow from dam.		
78	59.388049	-136.065837	A disconnected pool from water. We saw coho and electrofished 5 coho about 45 mm.	electrofish	5 coho ~ 45 mm
79	59.388068	-136.066331	Beaver dam main about 3 ft. high. Will track down to where it connects with WPT's 75, 74 to make main flow that connects with Little Salmon River. Electrofished at base of dam and got 1 DV about 45 mm and 3 coho about 40 mm.	electrofish	1 DV ~ 45 mm, 3 coho ~ 40 mm
80	59.387201	-136.066608	Back on main stream, headed down to see where it connects.		
81	59.387375	-136.066506	Far edge of beaver pond. Can hear Little Salmon from here.		
92	59.388701	-136.0659	Three coho captured in the beaver pond.	dipnet	3 coho
93	59.389177	-136.065243	Schooling coho		
94	59.38926	-136.065146	Shocked 3 CO, 65-80 mm	electrofish	3 coho 65-80 mm
95	59.389496	-136.064997	3rd beaver dam installment. Tons of fish stuck in pool below dam.		
25	59.390076	-136.06441	Tributary hits a barrier. No throughway, but flow on the other side.		
26	59.391491	-136.060653	Confluence with Little salmon. This tributary had spots with no H2O but there were coho in every pool.	visual	coho
31	59.388512	-136.064047	Continuing tracking down the Little Salmon River.		
37	59.390629	-136.060438	River spreads out into channels. We will track river left.		
38	59.391378	-136.060096	Start of beaver complex.		
39	59.390898	-136.059395	Beaver pond-we are going to track a polygon around the complex.		
40	59.390306	-136.059065	E-fished 2 coho caught on edge of beaver complex.	electrofish	2 coho
41	59.390937	-136.058206	E-fished 4 coho ~ 45 mm. Continuing polygon.	electrofish	4 coho ~ 45 mm
42	59.391037	-136.057403	E-fished 3 coho, 1 sculpin	electrofish	3 coho, 1 sculpin
43	59.391557	-136.057083	Water leaving beaver complex into Little Salmon..		
44	59.391631	-136.059794	One outlet from complex.		
45	59.391604	-136.05979	This is where WPT 38 meets WPT 44		
46	59.392054	-136.058667	Branch of Little Salmon river left. Will track up.		

47	59.394842	-136.056972	Top of Beaver complex. End of tracking for the day.		
48	59.392083	-136.058431	On mainstem of Little Salmon. Started tracking downstream.		
49	59.395915	-136.051055	Main flow from beaver pond by road. Nice step pool with majority of water flow- deep pool would make for easy flush passage. Continuing down.		
50	59.395698	-136.044346	End tracking for the day. Should come back to investigate other side channel.		





Figure 1: Little Salmon River Route Correction